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Book Review

Louis D. Quin; Antony J. Williams

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BOOK REVIEW

Practical Interpretation of P-31 NMR Spectra and Computer-Assisted Structure Verification

By Louis D. Quin and Antony J. Williams. Advanced Chemistry Development, 90 Adelaide Street West, Suite 600, Toronto, M5H 3V9, 416-368-5596, info@acdlabs.com

ISBN 0-9735913-0-7. Price: \$95 US (plus shipping and applicable taxes).

While the existing literature contains many fine reviews on ^{31}P NMR, an introductory yet comprehensive survey of the chemical shift effects for the various functional groups, written in an instructional mode, is not available. This book fulfills that need.

In this text, Dr. Louis D. Quin (Adjunct Professor, University of North Carolina-Wilmington; James B. Duke Professor Emeritus, Duke University; and Professor Emeritus, University of Massachusetts-Amherst) summarizes his comprehensive knowledge of phosphorus chemistry to provide a thorough grounding for the chemist in the NMR properties of the nucleus. By coupling this capability, in a single book, with a review and validation of the software tools to aid in the interpretation of ^{31}P NMR, the authors have provided a first-class handbook on phosphorus NMR.

The compounds are divided into specific categories and ^{31}P chemical shifts expected for different substitutions are discussed. Any researcher looking for phosphorus NMR comparisons can go the specific chapter and easily get the information just by knowing the type of compound one is working with.

Any student or newcomer to the field of ^{31}P NMR should find this handbook indispensable. The experienced NMR spectroscopist should find it a helpful addition to their library.

Robert R. Holmes
Department of Chemistry, University of Massachusetts,
Amherst, Massachusetts, USA